BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE ELECTRICAL DIVISION

Name of Work:-Detaild estmate for providing Annual maintenance and Repairs to Electrical instalation at JC dasarahalli Zonal office building

Budget Head .....

Division No..... Estimate No. ..... **For Rs.** 600000.00

Sl.No	Sl.No	Description of Work	Unit	Qty.	Rate	Amount
					Rs. Ps.	Rs. Ps.
1	KE/31/LMW/2017 Dated 28/4/2017	Providing servicess of Electrician With tools , Rs.14021.27/Month/person, Rs.14021.27÷26Days=539.27/Day/Person, Including E.S.I & PF, As per Go No KE/31/LMW/2017 Dated 28/4/2017	ManDays	250	539.27	134817.50
2	KE/31/LMW/2017 Dated 28/4/2017	Providing servicess of Helper (Electrical) Rs.12746.61/Month/person, Rs.12746.61÷26Days = Rs.490.25/Day/Person .Including E.S.I & PF, As per Go No KE/31/LMW/2017 Dated 28/4/2017	ManDays	250	490.25	122562.50
3	105/16.15	A) Supplying and Fixing/replacing of fluorescent Tube a) 18 to 40Watts	Nos	150	75.00	11250.00
4	05/16.11	Supplying and Fixing of heavy duty open construction ferromagnetic copper ballast for fluorescent tubes: I.20/40Watts	Nos	125	200.00	25000.00
5	5/16.18	Supply and fixing of 230 volts 20/40/watts starter for Fluorescent lamp	Nos	170	31.00	5270.00
6	104/16.4.3	Rewinding a.mm ceiling fan / after using necessary gauge annealed and insulated copper wire with necessary insulating, separeaors, vibration, arresting shellac etc., including replacement of bearings, if any transportation to and form the spot to workshop inclusive of relasing the spot to workshop inclusive of relasing the refixing 1200 mm ceiling fan	Nos	10	630.00	6300.00
7	18/3.15	Supplying and fixing/replacing of 6/16/32 Amps electrical accessories on existing switch board- 1) 6 amps S.P. switch	Nos	50	35.00	1750.00
8	18/3.16	3) 6 amps 3 way 5 pin socket	Nos	35	53.00	1855.00
9	18/3.17	9) 16 amps S.P. switch –2)	Nos	25	89.00	2225.00
10	18/3.18	10) 16 amps 3 way 5 pin socket–	Nos	30	94.00	2820.00
11	18/3.19	11) 16 amps 3 pin top –	Nos	10	77.00	770.00
12	18/3.20	I2) 32 amps Bakelite DP	Nos	15	156.00	2340.00

13	18/3.21	13) 16/6 Amps Comined plug & socket with control switch 1) Group 'A'	Nos	15	268.00	40[illegible].00
14	104/16.3.1	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries a) upto 4 mfd.	Nos	25	104.00	2600.00
15	104/16.5	Supplying and replacing of ceiling fan regulator 900 mm to 1500 mm	Nos	10	156.00	1560.00
16	47/6.16	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required- 1) 5-32 amps S.P.	Nos	10	418.00	4180.00
17	47/6.17	3) 5-32 amps D.P.	Nos	4	849.00	3396.00
18	47/6.18	6) 40-63 amps TPN:	Nos	2	1936.00	3872.00
19	6/2.5	Wiring for lightingl/power circuit using one of PVC insulated 1100 volts grade, multis and copper conductor single core cable in open or concealed systems of wiring: Group-B 2) 1.5 sq.mm	Mtrs	120	13.00	1560.00
20	6/2.6	3) 2.5 sq.mm	Mtrs	150	29.20	4380.00
21	20/4.6	Supplying patti type fluorescent tube light fitting of 4' - suitable for 28 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp.	Nos	10	669.00	6690.00
22	25/4.29.2	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 4' - 28 watts	Nos	20	1774.00	35480.00
22	78/9.3.1	Supplying capacitor type celling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single-phase AC sup ply conforming to ISS-374-1979 and with double ball bearing system. 1) 48" Sweep (1200mm) Regular Model	Nos	5	2376.00	11880.00
23	108/17.7	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 1)On wall / ceiling / Rafter / Girders	Nos	30	98.00	2940.00

	109/17.3	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Nos	10	139.00	1390.00
25	79/9.11	Supplying and installation of insulated refrigerant copper tubing of 5/8`` and 3/8`` with polythene foam insulation 3 core 80 stand copper wiring between indoor and outdoor unit. Leak testing oil and gas charging for additional piping length of tube.Split	Mtrs	20	1193.00	23860.00
26	80/9.21.3	Supply and fixing of condensing coil for Split Air Conditioners.2 ton capacity	Nos	1	22000.00	22000.00
27	80/9.16	Supplying and fixing the fan motor for blowers and condenser of 1/5 HP, single shaft/double shaft suitable for split /window air conditioners.	Nos	2	3288.00	6576.00
28	80/9.14	supply nad fixing cpacitor's (of approved make) for window/split air conditoner	Nos	5	500.00	2500.00
29	80/9.4	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.400mm Sweep	Nos	5	2534.00	12670.00
30	46/6.13.6	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and short circuit with thermal Magnetic/Micro Processor release and Earth Fault as per IS-13947. (Icu=Ics) FOUR POLE 100 Amps 25 kA,	Each	1	5809.00	5809.00
31	46/6.12.4	Supply and fixing of 4pole contractor with No/NC contacts on existing wood/panel board using necessary bolts ,nuts,washers and wires etc., complete with AC-3 rating and as per Is-13947 100/125 Amps	Each	2	9915.00	19830.00
32	85/11.2.5	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable.5Pair	Mtrs	200	45.00	9000.00
33	106/16.3	Filtering of oil in the transformer at the transformer center by hot process using "Stream line filter" such time the dielectric strength of the oil in the transformer conforms to ISI specification [Test certificate to be produced]	Litre	100	20.00	2000.00
34	106/16.34	Supplying and Topping -up of new Transil OIL	Per Litre	40	170.00	6800.00
35	88/12.3.2	Supplying, installation, testing & commissioning of 12Volts ..AH batteries in poly propylene	Nos	1	18700.00	18700.00
36	9	Annual Maintenance of 180 KVA D.G. Set Existing A.M.C. including of labour charges only for replacing the spare parts and periodically checkup of D.G. AMF panel (Without operator)	Each	1	44000.00	44000.00
37	10	Supplying & Changing of B Check Kit for Engine.	Nos	2	3150.00	6300.00
38	11	Supplying & Changing of Alternator AVR.(Automatic Voltage Regulator)	Nos	1	9600.00	9600.00
39	12	Supplying & Changing of Alternator Rectifier	Nos	1	2800.00	2800.00

40	13	Supplying & Changing of Dynamo repair Kit such as Corbons, Bearings & Diode Etc,.	Nos	1	3100.00	3100.00
41	14	Supplying & Changing of Batery terminals	Nos	2	268.00	536.00
42	15	Supplying & Fixing of Air filter	Nos	1	2880.00	2880.00
43		Miscellaneous and unforcin Materials and Bescom Charges				131.00
		Total Amount				600000.00

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD Elec and Civil SR of 2014-15.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
DASARAHALLI DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

ನಂ.15 ಕಾ.ಅ.(ವಿ):ದಾ.ವ: 15 2019-2020 - 200
ದಿನಾಂಕ 02-07-2019 ರೂ. 6.00 Lakh ಅಕ್ಷರಗಳಲ್ಲಿ
Six Lakhs only ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದ್ದು,
ಪಟ್ಟಿ ಸಂಖ್ಯೆ 30 ಕ್ರಮಸಂಖ್ಯೆ 15
ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು (ವಿ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ಸಂಖ್ಯೆ. ಬೃ.ಬೆಂ.ಮ.ಪಾ : ದಾ.ವ : ತಾಂತ್ರಿಕ :13/ 2019-2020 200 - 200
ದಿನಾಂಕ: 02-07-2019. ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ರೂ. 6.00 Lakh
ಅಕ್ಷರಗಳಲ್ಲಿ Six lakhs only
ಗಳಿಗೆ ಮಾತ್ರ 2019-2020 200 - 200 ನೇ ಸಾಲಿನ ದರಗಳ ಪಟ್ಟಿಯಂತೆ ತಾಂತ್ರಿಕ
ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಟಿ. ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು-57.